

## **Overview**

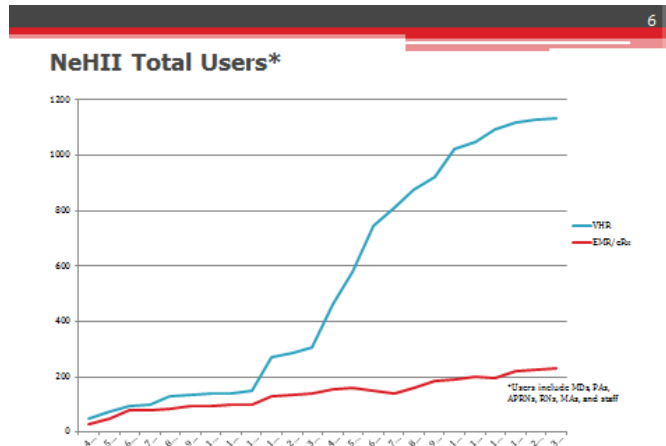
On March 15, 2010, the State of Nebraska, Division of Administrative Services, Nebraska Information Technology Commission (NITC) received a \$6.8 million award from the State HIE Cooperative Agreement program administered by the U.S. Department of Health and Human Services Office of the National Coordinator for Health Information Technology. The NITC eHealth Council has developed strategic and operational plans which are guiding the implementation of the grant. Plans are available from the NITC website ([www.nitc.nebraska.gov](http://www.nitc.nebraska.gov)). The State of Nebraska is working with NeHII, eBHIN, the Nebraska Department of Health and Human Services, and the Nebraska Hospital Association Research and Education Foundation on behalf of the Nebraska Statewide Telehealth Network to implement the grant.

## **Activities and Progress**

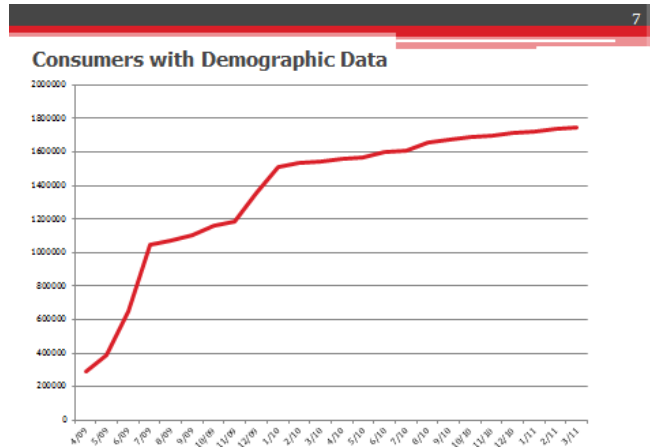
### **NeHII**

- **NeHII continued to expand its operations.**
  - Creighton University Medical Center and Creighton Medical Associates implementation meetings continued with planned go live in April 2011.
  - Planning and implementation continued on the immunization gateway connection with the state immunization registry. Go live is planned for April 2011.
  - Implementation meetings began with Community Medical Center in Falls City and Beatrice Community Hospital, but progress was slowed due to local EMR activities.
  - Scottsbluff Regional West Medical Center kickoff meeting was held in March 2011
  - The HIE continues to expand during the fourth quarter. Over 35,000 patients were added to the total patient count, 2.7 million results were added by hospitals and physicians and 59 new users were added, trained and began using the Exchange.
  - Deb Bass and Chris Henkenius continued to take leadership roles across the country, serving on many committees and advisory groups.
  - On-going activities continue to bring additional providers on NeHII. Home Health and pharmacy providers are now using NeHII.
  - NeHII continues to provide its Privacy and Security Policies to states requesting the policies. There is no charge for these policies under an open-source agreement.
  - NeHII continues to investigate additional revenue options designed to achieve sustainability through program use. NeHII began planning activities to become a Health Information Services Provider for Nebraska

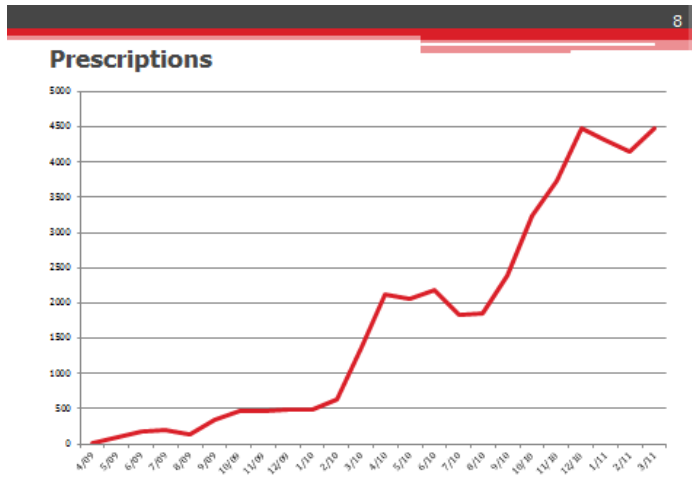
The following graph reflects the **Total** users on NeHII since April 2009.



The following graph reflects the Consumers with demographic data that NeHII has tracked since April 2009.



The following graph reflects the prescriptions that have been issued since April 2009.



## eBHIN

- **eBHIN made significant progress toward implementation of its HIE with a planned go live date of June 7, 2011 for participants in Region V in Southeast Nebraska. Participants in Region in the Panhandle are scheduled to go live in the third quarter of 2011.**
  - The eBHIN team focused work with the NextGen development team on the design of the Wait List and Referral Management functionality of the system. This capability will assist providers in coordinating patient transitions in care and to more intensively manage patients placed on waiting lists for services. This will provide the capability for additional reporting for state and national outcome measures.
  - The hardware and software ordered in December was received at the Data Center by early February and has been completely installed. The NextGen Applications have been finalized and have been installed in the Data Center. The next step will be end-to-end testing to make sure all aspects are functioning as designed.
  - The Master Intercompany Services Agreement is utilized among all Network participants was issued to all Network Participants for execution prior to Go Live on June 7, 2011.
  - eBHIN worked with the HIE Implementation team to finalize the Consent for Release of Information to support the Opt-in process. The legal counsel for eBHIN, Baird Holm, facilitated a development process where the needs of consumers and the legal requirements were balanced. This has led to the adoption of a consent form that will be utilized by all Network Participants.
  - The process for upload of information from the eBHIN HIE to Magellan Behavioral Health continues to be defined. The preliminary file exchange test has been conducted and system improvements have been made. Further testing will continue as eBHIN completes the application testing so the transportation of data is executed from the production environment.
  - eBHIN has continued development of the Operating Procedures, including the Incident Response Plan and Breach Notification Procedures. The process that the Privacy and Security Officer will use has been established with the eBHIN Compliance Committee serving in an oversight role.
  - A training facility has been identified and Super Users identified for the Super User training that will occur in early May. Roughly 50 people will be trained on all the applications. These Super Users will be responsible for training all other end users at the 13 participating sites.

## Nebraska Department of Health and Human Services

- **The Nebraska Department of Health and Human Services is working with NeHII to plan connections to the State's immunization registry (NESIS), electronic disease surveillance system (NEDSS), and the syndromic surveillance system.**
  - Planning and implementation continued on the immunization gateway connection with the state Immunization Directory. Go live is planned for April 2011.
  - Gary White was hired as the Syndromic Surveillance Help Desk Coordinator/Informatician in January, 2011. Gary's primary duties include:
    1. The development of standard flat file specs for syndromic surveillance data.
    2. The development of standard HL7 specs for syndromic surveillance data.
    3. Monitoring existing syndromic surveillance data interfaces.
    4. Organizing and implementing additional interfaces with medical facilities.
    5. Maintaining Data Sharing agreements with facilities sending Syndromic Surveillance data.
    6. Maintaining hardware (servers) used by the syndromic surveillance program.
    7. Working with Program Coordinator (Michelle Hood) for data exchange between NDHHS and NeHII.
    8. Testing incoming data for completeness, accuracy, and standardization according to required specifications.

### Progress:

1. Flat File specs are 85% complete. Specs are being developed as part of a pilot data exchange project with Methodist Hospital in Omaha.
2. HL7 specs are 75% complete and waiting on final guidance from CDC to be completed.
3. Monitoring existing interfaces is ongoing.
4. Currently working on 4 new interfaces with medical facilities.
5. Data Sharing agreement has been updated. Currently working to upgrade existing agreements to the new format.
6. Review of current servers was completed in March, 2010. New Servers have been ordered to replace existing old servers.
7. NeHII project (regarding Syndromic Surveillance data) is currently on hold due to current work being done with NeHII and Immunization Data.
8. Testing incoming data files is ongoing.

## **Nebraska Information Technology Commission/State HIE Coordinator**

- **Lt. Governor Rick Sheehy, eHealth Manager Anne Byers, and project partners have coordinated HIE activities within the state and involved stakeholders.**
  - The eHealth Council affirmed Nebraska's eHealth Plans and 2011 goals via e-mail vote. The eHealth Council was scheduled to meet Jan. 11, 2011, but the meeting was canceled due to inclement weather.
  - Lt. Governor Sheehy and Anne Byers met with Dr. Blumenthal, other ONC staff members, and representatives of other states on Jan. 26, 2011.
  - The ePrescribing Work Group met on Feb. 22, 2011 to discuss barriers to e-prescribing and to develop strategies for addressing these barriers.
  - Anne Byers participated in a series of forums across the state to kick off broadband planning efforts as part of Nebraska's broadband mapping grant from the NTIA.
  - Weekly implementation meetings with key partners and biweekly meetings with the ONC project officer have been held.
  - A newsletter was sent out in February to keep stakeholders informed. A copy is available at <http://www.nitc.nebraska.gov/eHc/clearing/news/2011/2011FebHealthnewsletter.pdf>.

## **Nebraska Hospital Association Research and Education Foundation/Nebraska Statewide Telehealth Network**

- **Nebraska Hospital Association Research and Education Foundation/Nebraska Statewide Telehealth Network will purchase and deliver telehealth peripherals to hospitals participating in the Nebraska Statewide Telehealth Network.**
  - The Nebraska Statewide Telehealth Network is researching peripherals and identifying how peripherals will work with the cameras.

## Nebraska 2011 eHealth Goals and Progress

Connectivity Goals 2011 Hospitals		
Baseline—2010	Target—End of 2011	1 <sup>st</sup> Quarter
<b>NeHII</b> <ul style="list-style-type: none"> <li>• 15 hospital</li> <li>• 13% of Nebraska hospitals</li> <li>• 39% of hospital beds</li> </ul>	<b>NeHII</b> <ul style="list-style-type: none"> <li>• 21 hospitals</li> <li>• 22% of Nebraska hospitals</li> <li>• 45% of hospital beds</li> </ul> <b>eBHIN</b> <ul style="list-style-type: none"> <li>• 1 hospital</li> </ul>	<b>NeHII</b> <b>15 Hospitals</b> <ul style="list-style-type: none"> <li>• Bellevue Medical Center - Bellevue, NE</li> <li>• Bergan Mercy Hospital - Omaha, NE</li> <li>• Children's Hospital and Medical Center - Omaha, NE</li> <li>• Great Plains Regional Medical Center - Omaha, NE</li> <li>• Lakeside Hospital - Omaha, NE</li> <li>• Immanuel Hospital - Omaha, NE</li> <li>• Mary Lanning Memorial Hospital - Hastings, NE</li> <li>• Memorial Hospital -Schuyler, NE</li> <li>• Methodist Hospital - Omaha, NE</li> <li>• Methodist Women's Hospital – Omaha, NE</li> <li>• Midlands Hospital -Papillion, NE</li> <li>• Nebraska Spine Hospital - Omaha, NE</li> <li>• The Nebraska Medical Center - Omaha, NE</li> <li>• Community Memorial Hospital - Missouri Valley, IA</li> <li>• Mercy Hospital - Council Bluffs, IA</li> <li>• Mercy Hospital - Corning, IA</li> </ul>

Connectivity Goals 2011 Providers		
<b>NeHII</b> 1,288 total users, including physicians, mid-levels, nurses, pharmacists, and staff  500 Physician and Physician Extenders out of 4,266 in state  12% of physicians and physician extenders	<b>NeHII</b> 2,000 total users, including physicians, mid-levels, nurses, pharmacists, and staff  900 physicians and physician extenders out of 4,266 in state  21% of physicians and physician extenders  <b>eBHIN</b> 776 providers out of 3,929 behavioral health providers  20% of behavioral health providers	1,396 total users, including physicians, mid-levels, nurses, pharmacists, and staff  554 physician and physician extenders
Connectivity Goals 2011 Health Plans		
1 health plan (BlueCross BlueShield of Nebraska) currently participates	1 health plan	1 health plan (BlueCross BlueShield of Nebraska) currently participates

Connectivity Goals 2011 Laboratories		
<b>NeHII</b> <ul style="list-style-type: none"> <li>• 0 out of six independent reference labs</li> <li>• 10 hospital labs out of 90 hospital labs</li> <li>• 10% of 96 hospital and major independent reference labs</li> </ul>	<b>NeHII</b> <ul style="list-style-type: none"> <li>• 1 out of six independent reference labs</li> <li>• 21 hospital labs out of 90 hospital labs</li> <li>• 21% of hospital and independent reference labs</li> </ul> <b>eBHIN</b> N/A. eBHIN will most likely go through NeHII for laboratory information.	<b>NeHII</b> <b>13 Nebraska Labs</b> <b>3 Iowa Labs</b> <ul style="list-style-type: none"> <li>• Bellevue Medical Center - Bellevue, NE</li> <li>• Bergan Mercy Hospital - Omaha, NE</li> <li>• Children's Hospital and Medical Center - Omaha, NE</li> <li>• Great Plains Regional Medical Center - Omaha, NE</li> <li>• Lakeside Hospital - Omaha, NE</li> <li>• Immanuel Hospital - Omaha, NE</li> <li>• Mary Lanning Memorial Hospital - Hastings, NE</li> <li>• Memorial Hospital -Schuyler, NE</li> <li>• Methodist Hospital - Omaha, NE</li> <li>• Methodist Women's Hospital – Omaha, NE</li> <li>• Midlands Hospital -Papillion, NE</li> <li>• Nebraska Spine Hospital - Omaha, NE</li> <li>• The Nebraska Medical Center - Omaha, NE</li> <li>• Community Memorial Hospital - Missouri Valley, IA</li> <li>• Mercy Hospital - Council Bluffs, IA</li> <li>• Mercy Hospital - Corning, IA</li> </ul>



Connectivity Goals 2011 Public Health			
Public Health Goals	Baseline—2010	Target—End of 2011	1 <sup>st</sup> Quarter
# of providers submitting data to the immunization registry	238	An increase of 20% to 286	238
# of labs submitting data to NEDSS	12	An increase of 30% to 16	12
# of hospitals submitting data to the syndromic surveillance system	6	16	6

Connectivity Goals 2011 E-Prescribing			
E-Prescribing Goals—2011	Baseline--End of 2009	Target—End of 2011	1 <sup>st</sup> Quarter
<b>Pharmacies</b>	78% of community pharmacies activated for e-prescribing	90% of community pharmacies activated for e-prescribing	82% of pharmacies are receiving e-prescriptions  <b>Note:</b> NeHII has two participating pharmacies
<b>Physicians/ Prescribers</b>	11% of physicians in Nebraska routed prescriptions electronically	50% of physicians in Nebraska routing prescriptions electronically	31% (1006 out of 3202) of physicians in Nebraska are routing prescriptions electronically

# Timelines 2011

## NeHII

### Second Quarter 2011

- Immunization Registry

### Third Quarter 2011

- Provider Directory
- Continuity of Care Document Summary
- Syndromic Surveillance
- Web Site Enhancements

### Fourth Quarter 2011

- Disease Reporting

## eBHIN

### Second Quarter 2011

Region V Go Live with parallel data entry and Magellan upload  
Log and Evaluate Help Desk Activity  
Implement partner contributions system—Invoice partners  
Standard reports issued monthly by pilot project providers  
Expand database design to include medical EMR data sets/CCD import

### Third Quarter 2011

Finalize consent and technical design for NeHII integration  
Region I Go Live with with parallel data entry and Magellan upload  
NeHII integration testing  
Trust agreements executed

### Fourth Quarter 2011

NeHII/eBHIN integration Go Live

## Year One Budget and Expenditures

Personnel	Budgeted	Expended
OCIO/NITC--salary--Anne	\$42,500.00	\$42,500.12
<b>Travel</b>		
OCIO/NITC-national	\$4,500.00	\$5,954.57
OCIO/NITC-state	\$3,885.00	\$0.00
NeHII-national	\$4,500.00	\$0.00
NeHII-state	\$17,400.00	\$0.00
<b>Subtotal</b>	<b>\$30,285.00</b>	<b>\$5,954.57</b>
Equipment	Budgeted	Expended
<b>NeHII--Equipment Subtotal</b>	<b>\$898,400.00</b>	<b>\$0.00</b>
<b>eBHIN Equipment Subtotal</b>	<b>\$958,690.00</b>	<b>\$219,931.90</b>
Telehealth peripherals	\$73,620.00	\$0.00
Public Health servers**	\$14,500.00	\$0.00
<b>Subtotal</b>	<b>\$1,945,210.00</b>	<b>\$219,931.90</b>
Other	Budgeted	Expended
EBHIN--Mareel and Assoc.	\$138,925.00	\$74,921.76
EBHIN sustainability	\$15,000.00	
NeHII brochures	\$58,900.00	
Privacy and security brochures	\$22,090.00	
Website	\$6,710.00	
Website hosting	\$300.00	
Audit costs-State of Nebraska	\$400.00	
Grants Management	\$538.00	\$537.95
Meeting Rooms	\$250.00	\$144.00
<b>Subtotal</b>	<b>\$243,113.00</b>	<b>\$75,603.71</b>
Contractual	Budgeted	Expended
<b>NeHII Bass and Associates Subtotal</b>	<b>\$1,323,600.00</b>	<b>\$968,670.96</b>
Axolotl--Public Health	\$36,000.00	
Axolotl---Interoperability Hub	\$1,308,900.00	\$1,199,825.00
Public health contractor**	\$28,000.00	3,823.40
Evaluation- change to 3 years		
<b>Subtotal</b>	<b>\$2,696,500.00</b>	<b>\$2,172,319.36</b>
<b>TOTAL</b>	<b>\$4,957,608.00</b>	<b>\$2,516,309.66</b>